

METHOD AND APPARATUS FOR INCREASING SCAN RESOLUTION

ABSTRACT OF THE INVENTION

A method and apparatus for increasing scan resolution without varying scanner
5 hardware specifications is disclosed. In one embodiment, a pre-scan operation is
firstly performed in order to provide information for scan ranges and resolutions
selections. When the data quantum of the selected scan range accompanied with
resolution is still held by scanner hardware, scan operations will be performed
according to selected ones. If the data quantum arisen from the selected ones is
10 higher than scanner hardware threshold, the highest scan resolution of the scanner
hardware will be employed to scan selected scan ranges. Interpolations are then
performed to the scanned images for increasing scan resolution to selected one before
displaying to individuals.